Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/01/2021 09:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124513	-1	2.96	124635	2.93
Blue	F	SSC	125000	123119	-2	3.93	124153	3.87
Blue	E	FITC	14203	13734	-4	3.30	298	15.79
Blue	D	PE	25703	25352	-2	2.99	549	11.18
Blue	B	PerCP-Cy5-5	42104	41059	-3	3.67	914	15.45
Blue	A	PE-Cy7	34646	34109	-2	4.94	486	30.33
Red	C	APC	49824	48950	-2	3.15	1497	11.54
Red	A	APC-Cy7	39773	38775	-3	3.21	720	12.11
Violet	B	V450	7447	7175	-4	3.92	396	13.34
Violet	A	V500	31193	30118	-4	3.76	681	10.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21994	3.27	556	0	N/A	N/A	Pass
Blue	F	SSC	53692	3.58	517	5	N/A	N/A	Pass
Blue	E	FITC	56	54.24	488	2	0.0392	167	Pass
Blue	D	PE	109	39.41	490	5	0.3324	253	Pass
Blue	B	PerCP-Cy5-5	174	36.48	582	5	0.0170	0	Pass
Blue	A	PE-Cy7	111	65.89	627	7	0.0207	2	Pass
Red	C	APC	348	24.54	569	2	0.0278	138	Pass
Red	A	APC-Cy7	201	25.14	547	3	0.0060	704	Pass
Violet	B	V450	90	41.37	447	-2	0.0393	1263	Pass
Violet	A	V500	121	31.95	465	-2	0.0248	1186	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.68	-32.37	1.05
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.38
Red	19.81	15.99 - 23.99	N/A	N/A	30.66	30.94	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.73

Threshold

Threshold (FSC): 9919

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments